## **Design Advisory**

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## From Kristin Schuster, Engineer of Design

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Index: Road Standard Plan R-112-J, Road Design Manual Section 6.05.11, FUSP 20SP-822A, PASP 20TM822(A315)

This advisory is superseded by any subsequent revisions to the references listed in this index.

Questions regarding this Design Advisory should be directed to:

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## **Sinusoidal Corrugations**

Sinusoidal corrugations (mumble strips) are an alternative to traditional rumble strips that generate less exterior noise. They are a continuous sinewave pattern milled and slightly recessed into the pavement that adequately alert drivers through noise and vibrations.

Sinusoidal corrugations are now standard for non-freeway shoulders.

- Requires Frequently Used Special Provision 20SP-822A
- See Special Detail/Standard Plan R-112-J
- Optional layout for centerlines, edgelines, and freeway shoulders
  - Guidance on use have been added to Section 6.05.11 of the Road Design Manual
  - Requires Previously Approved Special Provision 20TM822(A315)

Implementation is effective immediately.

## References:

- Road Standard Plan R-112-J
- Road Design Manual Section 6.05.11
- FUSP 20SP-822A
- PASP 20TM822(A315)

